SUBJECT INDEX TO VOLUME 53

(abs) = abstract (E) = editorial

Abnormalities, developmental, significance of, of hip joints (abs), 413
Abscesses, paravertebral, associated with Strümpell-Marie's disease (abs), 410
Adenoma sebaceum, familial tuberous sclerosis without (abs), 418
Adrenal medulla, effect of roentgen irradiation on hormone content and secretion of (abs), 525
Adults, enteric intussusception in (abs), 626
Aerosinusitis, clinico-roentgenological study, 563
Agenesis of lung (abs), 91; 129
American College of Radiology, report of executive secretary, 506
American Radium Society, 401
Amoebic hepatitis (abs), 95
Ampulla of Vater, roentgen diagnosis of tumors of (abs), 624
Anatomy of tracheobronchial tree from bronchoscopic standpoint (abs), 619
roentgen, of pancreas, 28
Aneurysm, carotid-cavernous, roentgen changes in (abs), 414
syphilitis, of aortic arch (abs), 415
Aneurysms, intracranial, arteriography for demonstration of, 341
Ankle joint, tuberculosis of (abs), 103
Anode tubes, rotating, analysis of target condition of, with spinning top, 514
Anomalies in knee joints, pathology of, 213
of development of triticeous cartilages, 166
of first ribs, 49
Anomalous development of first rib simulating isolated fracture, 161
Aorta, ascending, significance of calcification in, observed roentgenologically, 432
descending, elongation and tortuosity of, in case of right aortic arch, 270
osteopathia condensans disseminata associated with coarctation of (abs), 409
Aortic arch, right, elongation and tortuosity of descending aorta in case of, 270
Aortitis, syphilitic, 432
Aplasia, congenital, of lung, 129
Aqueous solutions of biologically active compounds, effect of roentgen rays on (abs), 525
Arteriography for demonstration of intracranial aneurysms, 341
Arteriosclerosis (abs), 416
Arteriovenous fistula, cardiac changes in, 423
Artery, polar, congenital hydronephrosis caused by, 273
Arthritis, chronic (abs), 101
rheumatoid (abs), 101
Arthroplasty of hip for osteoarthritis, utilizing foreign body cups of plastic (abs), 102
Avascular necrosis of bone (abs), 315
Back, evaluation of disability in low back injuries (abs), 314
herniation of nucleus pulposus as complication of pre-existing low back instability (abs), 101
Barium enema, value of sigmoidoscopy preceding (abs), 627
Basilar impression (abs), 616
Battle casualties, roetgen pathology of chest in, 1
Bean root, broad, effect of ionizing radiations on (abs), 526
Benign conditions, malignancy subsequent to irradiation of uterus for (abs), 206
Biliary tract, roentgen diagnosis of tumors of (abs), 623
Bladder, carcinoma, treatment by supervoltage roentgen rays (abs), 522
diverticulum of (abs), 312
Bone, avascular necrosis of (abs), 315
changes, post-irradiation, 62
development of, in relation to formation of neoplasms (abs), 98
frontal, solitary myeloma of, 573
lesions of, in scurvy, 147
roentgen appearance of, in tropical ulcer (abs), 315
roentgen appearance of, in yaws (abs), 314
stress or fatigue fractures of (abs), 317
tumors, modified classification of (abs), 98
value of roentgen therapy in carcinomatous metastases to (abs), 520
Book Reviews
The History of Miners' Diseases: A Medical and Social Interpretation. By George Rosen, 300
Roentgen Treatment of Diseases of the Nervous System. By Cornelius G. Dyke and Leo M. Davidoff, 301
Physical Foundations of Radiology. By Otto Glasser, Edith H. Quimby, Lauriston S. Taylor and J. L. Weatherwax, 301
Technic of Electrotherapy and Its Physical and Physiological Basis. By Stafford L. Osborne and Harold J. Holmquest, 302
Medical Radiographic Technic. Glenn W. Files, Editor, 512
Physiology in Aviation. By Chalmers L. Gemmill, 512
The Permeability of Natural Membranes. By Hugh Davson and James F. Danielli, 513
Brain, unprotected, changes after treatment of, with large doses of roentgen radiation, 171
Breast, cancer, in youth (abs), 106
carcinoma, method of treatment (abs), 106
carcinoma, preoperative roentgen therapy of (abs), 421
female, cystosarcoma phylloides of (abs), 617

Bronchiogenic carcinoma, roentgen therapy of (abs), 420
Bronchopneumonia, necrotizing, relation of, to radiation therapy of cancer of oral cavity, 281
Bronchoscopic standpoint, anatomy of tracheobronchial tree from (abs), 619
Bronchus, carcinoma of right lower lobe, with metastasis to apex of right lower lobe and extension into mediastinum (abs), 92
Bursitis, acute subdeltoid, radiation therapy of (abs), 422

Calcification in ascending aorta observed roentgenologically, 432
in menisci (abs), 407
of concretions in Meckel's diverticulum (abs), 624
Calcifications, disseminated, in lungs associated with mitral disease, 575
egg-shell, in silicosis, 439
Calcified hemangiomas of liver, 439
nonparasitic cyst of spleen (abs), 95
Calcinosis (abs), 419
Calculi in Meckel's diverticulum (abs), 625
Cancer clinic, rôle of, in cancer control (abs), 104
mammary, in youth (abs), 106
metastatic, roentgen appearance and pathology of intrapulmonary lymphatic spread of, 109
of cervix, intravaginal roentgen irradiation of (abs), 204
of mouth, intraoral radium treatment of (abs), 106
of oral cavity, relation of necrotizing bronchopneumonia to radiation therapy of, 281
of sigmoid colon, differential diagnosis between, and volvulus, by preliminary roentgenogram, 132
rôle of cancer clinic in control of (abs), 104
subsequent to irradiation of uterus for benign conditions (abs), 206
symposium for physicians, 511
teaching day, 400, 511
Carbuncle of kidney (abs), 310
Carcinoma, breast, preoperative roentgen therapy of (abs), 421
bronchiogenic, roentgen therapy of (abs), 420
nonorganic gastric filling defects simulating (abs), 622
of bladder, treatment by supervoltage roentgen rays (abs), 522
of breast, method of treatment (abs), 106
of cervix uteri complicated by complete procidentia (abs), 523
of cervix uteri, introduction of history of (abs), 107
of cervix uteri, physical aspects of intracavitary radium treatment of (abs), 522; (abs), 523
of cervix uteri, supervoltage roentgen therapy of (abs), 204
of cervix uteri, tissue dosage in control of (abs), 205
of cervix uteri, treatment of (abs), 108
of prostate (abs), 312
of prostate, treatment of (abs), 523
of rectum and sigmoid, radiation therapy in (abs), 524
of right lower lobe bronchus with metastasis to apex of right lower lobe and extension into mediastinum (abs), 92
of skull, radiation treatment of, 171
of thoracic esophagus, pathology and spread in relation to treatment (abs), 419
of trachea, diagnosis and treatment by roentgen rays (abs), 419
of uterus, diagnosis and treatment (abs), 207
of uterus, intestinal injuries resulting from radiation treatment of (abs), 206
primary, of eustachian tube (abs), 616
Cardiospasm, pulmonary changes in, 124
Carotid body, tumors of (abs), 618
Carotid-cavernous aneurysm, roentgen changes in (abs), 414
Carpal navicular, bipartite, fracture of (abs), 318
Carpus, early recognition of endocrine disorders in childhood by roentgenograms of, to determine ossification index, 55
roentgenographic examination of, 611
Cartilages, semilunar, of knee, roentgen demonstration of, 454
triticeous, roentgen-anatomic study, 166
Cathartics, roentgen evidence suggesting enterocolitis associated with prolonged use of (abs), 628
Cauda equina, herniation of, following laminectomy of sacrum (abs), 410
Cavities, infected, roentgen exploration of (abs), 417
Cecum, solitary diverticulitis of (abs), 308
Cells, cultivated in vitro, effect of roentgen rays on (abs), 209
response of, in vitro, to variations in roentgen-ray dosage (abs), 525
Chest, roentgen pathology of, in battle casualties, 1
Childhood, acute lymphatic leukemia in (abs), 416
early recognition of endocrine disorders in, by roentgenograms of wrist to determine ossification index, 55
Children, nontuberculous empyema thoracis in (abs), 617
polypoid lesions of colon of (abs), 625
roentgenologic pattern of small intestine in (abs), 95
Choledochoduodenal fistula, 470
Chondro-osseous dystrophy with punctate epiphyseal dysplasia (abs), 410
Chondro-osteodystrophy, case observed during pregnancy (abs), 409
Circulation, evolution of, in developing femoral head and neck (abs), 414
Cleveland Radiological Society, 401
Clinic, cancer, rôle of, in cancer control (abs), 104
tumor, for patients of moderate means (abs), 105
tumor, organization, experiences and results in New York State (abs), 104

tumor, practical aspects of management of (abs), 105
tumor, rôle of surgeon in (abs), 105
Coarctation of aorta, osteopathia condensans disseminata associated with (abs), 409
Colon, acute obstruction of, 132
of children, polypoid lesions of (abs), 625
of patient with tumor in hypothalamic region, motor changes observed fluoroscopically in (abs), 626
sigmoid, constricting lesions of (abs), 309
sigmoid, differential diagnosis between volvulus and cancer of, by preliminary roentgenogram, 132
sigmoid, volvulus of (abs), 627
Compounds, biologically active, effect of roentgen rays on aqueous solutions of (abs), 525
Condyles of mandible, technique of roentgenography of, 303
Congenital aplasia of lung, 129
changes in knee joint, 213
hydronephrosis caused by polar artery, 273
laryngeal stridor (abs), 200
Coolidge, W. D., retirement of, as vice-president of General Electric Company, 299
Coronoid process of mandible, osteochondroma of (abs), 99
Cortex and spongiosa, relative importance of, in roentgenogram of normal vertebral body, 40
Craniolacunia, roentgen diagnosis of (abs), 198
Cyst See also Echinococcus
calcified nonparasitic, of spleen (abs), 95
infected lung (abs), 91
Cystitis, factitial (E), 180
Cystosarcoma phylloides (abs), 617

Denver Radiological Club, 401
Device for prevention of accidental radiation overdosage due to incorrect filter-kilovoltage combinations, 87
Diagnosis, roentgenographic, increased filtration in (abs), 210
Diaphragm, hemangio-endothelioma of, 373
treatment of dysphagia from hernia through esophageal hiatus in (abs), 621
Diodrast as contrast medium in intravenous urography, 527
Disability, correlation of, with roentgen findings (abs), 313; (abs), 314
in low back injuries, evaluation of (abs), 314
Disproportion between size of fetal head and that of fetus, roentgen diagnosis (abs), 310
Diverticulitis, solitary, of cecum (abs), 308
Diverticulum, Meckel's, 142
Meckel's, calcified concretions within (abs), 624
Meckel's, containing calculi (abs), 625
of bladder (abs), 312
Dosage calculations for various combinations of parametrial needles and intracervical tandems (abs), 107
device for prevention of accidental radiation overdosage, 87
radiation, quality, area and distance relationship for D_5, D_{10} and D_{15} in (abs), 212
roentgen ray, response of cells in vitro to variations in (abs), 525
tissue, in control of carcinoma of cervix (abs), 205
volume, in radiation therapy, 77
Dose, materials for depth measurement of (abs), 212
Doses, large, of roentgen radiation, changes after treatment of unprotected brain with, 171
Drinking water, fluoride osteosclerosis from (abs), 100
Dyspepsia, comparison of roentgen and gastroscopic findings in 200 soldiers with (abs), 307
Dysphagia from hernia through esophageal hiatus in diaphragm, treatment of (abs), 621
Dysplasia, polyostotic fibrous (abs), 100
punctate epiphyseal, chondro-osseous dystrophy with (abs), 410
Dystrophy, chondro-osseous, with punctate epiphyseal dysplasia (abs), 410
familial vertebral (abs), 411

Echinococcus cyst of heart, 15
of lung (abs), 91
Editorials
Radium therapy, roentgen therapy and the radiation therapist, 81
Factitial reactions in connection with irradiation of the pelvis, 180
Alexander Howard Pirie, 1875–1944, 184
The question of ureteral obstruction by irradiation, 291
Hemoptysis in mitral stenosis, 396
The new era in medicine, 501
The roentgenologic examination of the small intestine, 604
Effect of ionizing radiations on broad bean root (abs), 526
of irradiation on bone, 62
of roentgen irradiation on hormone content and secretion of adrenal medulla (abs), 525
of roentgen rays on aqueous solutions of biologically active compounds (abs), 525
of roentgen rays on cells cultivated in vitro (abs), 209
of roentgen rays on sulfonamides in vitro (abs), 525
Egg-shell calcifications in silicosis, 439
Empyema thoracis, nontuberculous, in children (abs), 617
Encephalitis, acute, roentgen therapy for, 597
Endocrine disorders, early recognition of, in childhood by roentgenograms of wrist to determine ossification index, 55
Endometriosis (abs), 309
Endothelioma of peritoneum (abs), 310
Enterocolitis, roentgen evidence suggesting, associated with prolonged cathartic abuse (abs), 628
Epiloia without adenoma sebaceum (abs), 418

ERYTHEMA NODOSUM, etiology of (abs), 418
ESOPHAGITIS, acute and chronic, roentgenologic aspects of (abs), 620
ESOPHAGOBRONCHIAL fistula (abs), 619
ESOPHAGUS, application of kymography to movement of (abs), 199
chronic peptic ulceration of (abs), 620
compression and erosion of (abs), 415
lesions of, in generalized progressive scleroderma (abs), 198
thoracic, carcinoma of (abs), 419
ETIOLOGY of undescended scapula and related syndromes (abs), 316
EUSTACHIAN TUBE, primary carcinoma of (abs), 616
EXOPHTHALMOS, progressive, roentgen therapy of orbital-pituitary portals for, following subtotal thyroidectomy (abs), 420
EXTREMITIES, correlation of disability with roentgen findings in (abs), 314

FACTITIAL reactions in connection with irradiation of pelvis (E), 180
FAMILIAL vertebral dystrophy (abs), 411
FEMUR, evolution of circulation in developing head and neck of (abs), 414
incidence of irradiation fractures of neck of, 62
insufficiency fracture in neck of (abs), 414
FEMURS, healing of radiation fractures of necks of (abs), 422
FETOMETRY, roentgen, new formula (abs), 97
FETUS, roentgen diagnosis of disproportion between size of fetal head and that of (abs), 310
FILARIASIS, evaluation of roentgen therapy in, 483
FILING SYSTEM, roentgenological, adapted from "Standard Nomenclature of Disease," 385
FILMS, roentgen, method of foreign body localization using two parallel, 189
small roentgen, in tuberculosis control (abs), 94
FILTER-KILOVOLTAGE combinations, device for prevention of accidental radiation overdosage due to incorrect, 87
FILTRATION, increased, for diagnostic purposes (abs), 210
FISTULA, arteriovenous, cardiac changes in, 423
choledochoduodenal, 470
esophagobronchial (abs), 619
FISTULAE, roentgen exploration of (abs), 417
FLUORIDE osteosclerosis from drinking water (abs), 100
FLUOROROENTGENOGRAPHY, spot film, with movable grid, 608
FOOT, lesions of inconstant sesamoids of (abs), 103
FOREIGN BODY localization, method of, using two parallel roentgen films, 189
FRACTURE, insufficiency, in neck of femur (abs), 414
isolated, anomalous development of first rib simulating, 161
of bipartite carpal navicular (abs), 318
tangential osteochondral, of patella (abs), 407
FRACTURES, irradiation, incidence of, of femoral neck, 62
march (abs), 318
march, etiological possibilities of (abs), 407
of zygoma (abs), 616
radiation, of necks of femurs, healing of (abs), 422
stress or fatigue, of bone (abs), 317

GALLSTONES, intestinal obstruction due to (abs), 307
GASTRITIS, hypertrophic, stimulating intramural tumor of stomach, 20
GASTROILEAL ULCER, gastroileostomy and (abs), 623
GASTROILEOSTOMY and gastroileal ulcer (abs), 623
GASTROINTESTINAL TRACT, device for compression polygraph studies of, 194
GASTROSCOPY, comparison of roentgenological and findings with, in 200 dyspeptic soldiers (abs), 307
GIANT CELL tumor, malignant, of lung, 582
tumors, radiation therapy and late results (abs), 520
GRID, movable, spot film fluororoentgenography with, 608
GYNECOLOGY and obstetrics, uses and abuses of radiation therapy in (abs), 205

HEAD injuries (abs), 313
HEART, changes in, in arteriovenous fistula, 423
disease, curable, roentgen ray in (abs), 203
disease, disseminated calcified and bony nodules in lungs associated with, 575
echinococcus cyst of, 15
evaluation of teleroentgenographic mensuration and cardiac roentgenoscopy in diagnosis of early mitral valve disease, 259
pneumonic densities obscured by shadow of (abs), 620
HEMANGIO-ENDOTHELIOMA of diaphragm, 373
HEMANGIOMAS, calcified, of liver, 446
HEMOPTYSIS in mitral stenosis (E), 396
HEPATITIS, amoebic (abs), 95
HERNIA, parasternal omental, roentgen diagnosis (abs), 310
through esophageal hiatus in diaphragm, treatment of dysphagia from (abs), 621
HERNIATED intervertebral disc, study of iodized oil column (abs), 411
HERNIATION of cauda equina following laminectomy of sacrum (abs), 410
of nucleus pulposus as complication of pre-existing low back instability (abs), 101
HERNIATIONS of intervertebral discs, myelography by use of pantopaque in diagnosis of, 319
HIP, arthroplasty of, for osteoarthritis (abs), 102
joints, significance of some developmental abnormalities of (abs), 413
new surgical table top and cassette holder for surgical roentgen examinations of (abs), 209
HISTORY of carcinoma of cervix uteri (abs), 107
HODGKIN'S DISEASE of urinary tract, 527
HORMONE content and secretion of adrenal medulla, effect of roentgen irradiation on (abs), 525
HYDRONEPHROSIS, congenital, caused by polar artery, 273

Hypothalamic region, motor changes observed fluoroscopically in colon of patient with tumor in (abs), 626
Hypothyroidism, osteochondral (abs), 409

Ileitis, regional, manifestations of, observed sigmoidoscopically (abs), 95
Industry, protection against radiations in (abs), 211
protection in radiology in (abs), 211
Infant, fatal case of hemangio-endothelioma of diaphragm in, 373
Infants, roentgenologic pattern of small intestine in (abs), 95
Injuries, low back, evaluation of disability in (abs), 314
of head (abs), 313
Intervertebral disc, herniated, study of iodized oil column (abs), 411
myelography by use of pantopaque in diagnosis of herniations of, 319
protrusions, roentgen demonstration by tantalum powder of sinuses resulting from extraction of, 157
Intestinal tract, lower, factitial reactions of, in connection with irradiation of pelvis (E), 180
Intestine, danger dose of roentgen rays for mucosa of, in dogs (abs), 524
injuries of, resulting from radiation treatment of uterine carcinoma (abs), 206
large, benign tumors of, incidence and distribution (abs), 96
obstruction of, due to gallstones (abs), 307
small, abnormalities of pattern of, in pancreatic lithiasis, 28
small, roentgenologic examination of (E), 604
small, roentgenologic pattern of, in infants and children (abs), 95
Intracranial aneurysms, arteriography for demonstration of, 341
Intussusception, enteric, in adults (abs), 262
of stomach, 585
Iodized oil column, study of, in herniated intervertebral disc (abs), 411
unusual complication of intraspinal use of (abs), 413
Irradiation, bone changes following, 62
of ovarian tumors, results of, 376
of pelvis, factitial reactions in connection with (E), 180
of uterus for benign conditions, malignancy subsequent to (abs), 206
pelvic, pneumoperitoneum as aid in (abs), 108
question of ureteral obstruction by (E), 291
sickness, treatment of, with vitamin B_6 (abs), 524

Jejunum, multiple plasmocytoma of, 33

Kidney, carbuncle of (abs), 310
Kilovolt (peak) principles, optimum, military photoroentgen technique employing, 587
Knee, cystic myxomatous tumors about (abs), 408
joints, pathology of anomalies in, 213
roentgen demonstration of semilunar cartilages of, 454
Kymography, application to esophageal movement (abs), 199

Laminectomy of sacrum, herniation of cauda equina following (abs), 410
Larynx, congenital stridor of (abs), 200
Lesions of inconstant sesamoids of foot (abs), 103
Leukemia, acute lymphatic, in childhood (abs), 416
of urinary tract, 527
Lithiasis, multiple diffuse pancreatic, 28
Liver, calcified hemangioma of, 439
Localization, foreign body, method of, using two parallel roentgen films, 189
Lung, agenesis of (abs), 91
congenital aplasia of, 129
echinococcus cyst of (abs), 91
infected cyst of (abs), 91
lymphatic spread of metastatic cancer in, roentgen appearance and pathology of, 109
roentgenographic postero-medial border of (abs), 202
Lungs, changes in, in cardiospasm, 124
disseminated calcified and bony nodules in, associated with mitral disease, 575
importance of examination of sputum in evaluating parenchymal infiltration, 370
malignant giant cell tumor of, 582
roentgen manifestations of involvement of, in tularemia (abs), 621
Lymphatic spread, intrapulmonary, of metastatic cancer, roentgen appearance and pathology of, 109
Lymphosarcoma of urinary tract, 527
statistical study and evaluation of treatment (abs), 417

Mandible, osteochondroma of coronoid process of (abs), 99
technique of roentgenography of condyles of, 303
Measurement, depth dose, materials for (abs), 212
of female pelvis (abs), 96; (abs), 97
of very soft radiation, behavior of thimble chambers when used for, 391
roentgenographic, of spondylolisthesis, 230
Mediastinum, metastasis to, from carcinoma of right lower lobe bronchus (abs), 92
Medical practice, protection against radiations in (abs), 211
Medicine, new era in (E), 501
Melanomas, cutaneous (abs), 521
Menisci, calcification in (abs), 407
Metastases, carcinomatous, to bone, value of roentgen therapy in (abs), 520
of sternum (abs), 100
to lymph nodes treated by subcutaneous roentgen therapy (abs), 520
Metastasis, cancer, roentgen appearance and

pathology of intrapulmonary lymphatic spread of, 109
to lung and mediastinum from carcinoma of right lower lobe bronchus (abs), 92
Minnesota Radiological Society, 298
Mitral disease, disseminated calcified and bony nodules in lungs associated with, 575
stenosis, hemoptysis in (E), 396
valve disease, early, evaluation of teleroentgenographic mensuration and cardiac roentgenoscopy in diagnosis of, 259
Morquio's disease, case observed during pregnancy (abs), 409
Mouth, cancer of, intraoral radium treatment (abs), 106
Mucosa, prolapsed gastric (abs), 623
Myasthenia gravis and thymus, relationship between (abs), 618
Myelography by use of pantopaque in diagnosis of herniations of intervertebral discs, 319
Myeloma, multiple, in a youth, 466
solitary, of frontal bone, 573

Navy, types of pulmonary tuberculosis which demand disqualification for active duty in (abs), 202
Necrosis, avascular, of bone (abs), 315
Neoplasms See Tumors.
New Hampshire Roentgen Ray Society, 511
Newborn, pneumomediastinum in, 7
Nodules, disseminated calcified and bony, in lungs associated with mitral disease, 575
Nomenclature, standard (abs), 208
Nucleus pulposus, herniation of, as complication of pre-existing low back instability (abs), 101

Obstetrics and gynecology, uses and abuses of radiation therapy in (abs), 205
Obstruction, acute, of colon, 132
intestinal, due to gallstones (abs), 307
Odontoid, normal, position of (abs), 616
Omental hernia, parasternal, roentgen diagnosis (abs), 310
Oral cavity, relation of necrotizing bronchopneumonia to radiation therapy of cancer of, 281
Ossification index, early recognition of endocrine disorders in childhood by roentgenograms of wrist to determine, 55
Osteoarthritis (abs), 101
arthroplasty of hip for (abs), 102
Osteochondral hypothyroidism (abs), 409
Osteochondritis dissecans (abs), 408
Osteochondroma of coronoid process of mandible (abs), 99
Osteogenesis imperfecta (abs), 408
Osteogenic neoplasms, ossifying and chondrifying primary, correlation of roentgenogram and pathological changes in (abs), 99
Osteopathia condensans disseminata associated with coarctation of aorta (abs), 409
Osteosclerosis, fluoride, from drinking water (abs), 100
Ovaries, result of irradiation of tumors of, 376

Pancreas, aberrant tissue of, as roentgenologic problem, 277
multiple diffuse lithiasis of, 28
roentgen anatomy of, 28
roentgen diagnosis of tumors of head of (abs), 624
Pantopaque, myelography by use of, 319
Parenchymal infiltration, importance of examination of sputum in evaluation of, 370
Patella, tangential osteochondral fracture of (abs), 407
Pathology of anomalies found in knee joints, 213
of intrapulmonary lymphatic spread of metastatic cancer, 109
roentgen, of chest in battle casualties, 1
Patients of moderate means, tumor clinic for (abs), 105
Pelvimetry, roentgen (abs), 628
roentgen, new formula (abs), 97
Pelvis, development of conformation of (abs), 97
factitial reactions in connection with irradiation of (E), 180
female, comparative measurements of (abs), 96
obstetric, classification of, based on size, mensuration and morphology (abs), 97
pneumoperitoneum as aid in irradiation of (abs), 108
Peptic ulcer, chronic, of esophagus (abs), 620
large, diagnosis and treatment of (abs), 622
treatment of (abs), 207
Periosteal lesions in scurvy, 147
Peritoneum, endothelioma of (abs), 310
Perthes' disease, differentiation of osteochondral hypothyroidism from (abs), 409
Phlebography in phlebothrombosis (abs), 415
Phlebothrombosis, phlebography in (abs), 415
Photoelectric timing in general roentgenography, 474
Photoroentgen technique, military, employing optimum kilovolt (peak) principles, 587
unit, stereoscopic, improvement in design of, 402
Physical aspects of intracavitary radium treatment of carcinoma of cervix uteri (abs), 522; (abs), 523
Physics, limitations of, in radium therapy (abs), 526
Pirie, Alexander Howard, 1875–1944, obituary, 184
portrait, 184
Placenta praevia, roentgen diagnosis (abs), 98
Plasmocytoma, multiple, of jejunum, 33
Plastic roentgen film exposure holder, 404
Pleura, involvement of, associated with primary atypical pneumonia, 244
roentgen manifestations of involvement of, in tularemia (abs), 621
Pleural line, postero-mesial (abs), 202
Pneumomediastinum in newborn, 7
Pneumonia, atypical, of probable virus origin (abs), 94
atypical, pathological changes in (abs), 93

densities of, obscured by cardiac shadow (abs), 620
primary atypical (abs), 200
primary atypical, pleuritic involvement associated with, 244
primary atypical, of unknown etiology (abs), 93
virus, incidence and clinical features of (abs), 92
Pneumoperitoneum as aid in pelvic irradiation (abs), 108
Polygraph studies of gastrointestinal tract, device for, 194
Polyostotic fibrous dysplasia (abs), 100
Polypoid lesions of colon of children (abs), 625
Polyposis, multiple gastric (abs), 623
Pregnancy, case of Morquio's disease observed during (abs), 409
roentgen determination of size of subpubic angle in (abs), 310
roentgen diagnosis of disproportion between size of fetal head and that of fetus (abs), 310
Procidentia, complete, carcinoma of cervix complicated by (abs), 523
Prostate gland, carcinoma of (abs), 312
treatment of carcinoma of (abs), 523
Protection against radiations in medical and industrial practice (abs), 211
in industrial radiology (abs), 211
Pseudarthrosis of first ribs, 49
Pyelitis, radiopaque membranous, following sulfonamide therapy (abs), 311
Pyelography and space-filling lesion (abs), 311
Pylorus, pedunculated tumors of stomach prolapsing through (abs), 203
roentgen sign of stenosis of (abs), 307

Radiation fractures of necks of femurs, healing of (abs), 422
overdosage, accidental, due to incorrect filter-kilovoltage combinations, device for prevention of, 87
protection against, in medical and industrial practice (abs), 211
therapist, and roentgen and radium therapy (E), 81
therapy of cancer of oral cavity, relation of necrotizing bronchopneumonia to, 281
therapy, quality, area and distance relationship for D_5, D_{10} and D_{15} in (abs), 212
therapy, uses and abuses of, in obstetrics and gynecology (abs), 205
therapy, volume dosage in, 77
treatment of uterine carcinoma, intestinal injuries resulting from (abs), 206
very soft, behavior of thimble chambers when used for measurement of, 391
Radiations, ionizing, effect of, on broad bean root (abs), 526
Radiological Section, Los Angeles County Medical Association, 511
Radiology, industrial, protection in (abs), 211
second Inter-American Congress of, 400
three year rotating service in, 188
Radiotherapy, beam direction in (abs), 208
direct and indirect, 491
Radium, dosage calculations for various combinations of parametrial needles and intracervical tandems (abs), 107
medical uses of (abs), 209
therapy, and radiation therapist (E), 81
therapy, limitations of physics in (abs), 526
treatment, intracavitary, physical aspects of, in carcinoma of cervix uteri (abs), 522; (abs), 523
treatment, intraoral, of cancer of mouth (abs), 106
treatment of granular or hypertrophied lateral pharyngeal tonsillar bands (abs), 420
Reactions, factitial, in connection with irradiation of pelvis (E), 180
Rectum, carcinoma, radiation therapy in (abs), 524
constricting lesions of (abs), 309
Rib, first, anomalous development of, simulating isolated fracture, 161
Ribs, first, pseudarthrosis, synchondrosis and other anomalies of, 49
Rigler, Leo G., an appreciation, 298
Roentgen examination of urinary tract, 527
exploration of sinus tracts, fistulae and infected cavities (abs), 417
film exposure holder, plastic, 404
films, method of foreign body localization using two parallel, 189
films, small, use of, in tuberculosis control (abs), 94
findings, correlation of disability with (abs), 313; (abs), 314
irradiation, effect of, on hormone content and secretion of adrenal medulla (abs), 525
irradiation, intravaginal, of cancer of cervix (abs), 204
pelvimetry (abs), 96; (abs), 97; (abs), 628
radiation, changes after treatment of unprotected brain with large doses of, 171
radiation, lethal action of (abs), 526
-ray beam direction in radiotherapy (abs), 208
-ray distribution at 60–140 kv. (peak) (abs), 210
-ray dosage, response of cells in vitro to variations in (abs), 525
rays, danger dose of, for intestinal mucosa in dogs (abs), 524
rays, effect of, on aqueous solutions of biologically active compounds (abs), 525
rays, effect of, on cells cultivated in vitro (abs), 209
rays, effect of, on sulfonamides in vitro (abs), 525
rays, supervoltage, treatment of carcinoma of bladder by (abs), 522
therapy and radiation therapist (E), 81
therapy for acute encephalitis, 597
therapy in filariasis, evaluation of, 483
therapy of acute subdeltoid bursitis (abs), 422
therapy of orbital-pituitary portals for progressive exophthalmos following subtotal thyroidectomy (abs), 420

therapy, short distance, with standard apparatus (abs), 208
therapy, subcutaneous (abs), 520
supervoltage, of carcinoma of cervix (abs), 204
therapy, value of, in carcinomatous metastases to bone (abs), 520
ROENTGENOGRAM of normal vertebral body, relative importance of cortex and spongiosa in, 40
ROENTGENOGRAMS of wrist, early recognition of endocrine disorders in childhood by, to determine ossification index, 55
ROENTGENOGRAPHIC mensuration of spondylolisthesis, 230
ROENTGENOGRAPHY, device for accurate centering of stomach in, 517
increased filtration in (abs), 210
of condyles of mandible, technique of, 303
photoelectric timing in, 474
ROENTGENOLOGICAL filing system adapted from "Standard Nomenclature of Disease," 385
ROENTGENOLOGISTS welcome to meetings of three radiological societies in London, 400
ROENTGENOLOGY, classification and filing in department of (abs), 208
ROENTGENOSCOPY, cardiac, evaluation of teleroentgenographic mensuration and, in diagnosis of early mitral valve disease, 259

SACRUM, herniation of cauda equina following laminectomy of (abs), 410
SARCOMA, Jensen's, direct and indirect radiotherapy of, 491
SCAPULA, undescended, etiology of (abs), 316
SCLERODERMA, generalized progressive, lesions of esophagus in (abs), 198
SCLEROSIS, familial tuberous, without adenoma sebaceum (abs), 418
SCURVY, periosteal lesions in, 147
SECOND Inter-American Congress of Radiology, 400
SEMILUNAR cartilages of knee, roentgen demonstration of, 454
SESAMOIDS, inconstant, of foot, lesions of (abs), 103
SIGMOID, carcinoma, radiation therapy in (abs), 524
volvulus of (abs), 627
SIGMOIDOSCOPIC examination, manifestations of regional ileitis observed by (abs), 95
SIGMOIDOSCOPY, value of, preceding barium enema (abs), 627
SILICOSIS, correlation of disability with roentgen and clinical findings in (abs), 313
egg-shell calcifications in, 439
SINUS tracts, roentgen exploration of (abs), 417
SINUSES, paranasal, aerosinusitis a traumatic affection of, 563
resulting from extraction of intervertebral disc protrusions, roentgen demonstration by tantalum powder of, 157
SKIN, melanomas of (abs), 521
SKULL, carcinoma, radiation treatment of, 171
position of normal odontoid (abs), 616
solitary myeloma of frontal bone of, 573
SOLDIERS, comparison of roentgen and gastroscopic findings in 200 dyspeptic (abs), 307
SPINE, bridging of vertebral bodies in tuberculosis of (abs), 411
diseases of, roentgenologic analysis, 348
unusual complication of use of iodized oil in (abs), 413
SPINNING TOP, analysis of target condition of rotating anode tubes with, 514
SPLEEN, calcified nonparasitic cyst of (abs), 95
SPONDYLOLISTHESIS, 230
SPONGIOSA and cortex, relative importance of, in roentgenogram of normal vertebral body, 40
SPUTUM, importance of examination of, in evaluating parenchymal infiltration, 370
STANDARD NOMENCLATURE OF DISEASE, roentgenological filing system adapted from, 385
STEATORRHEA, idiopathic, roentgen findings in (abs), 308
STENOSIS, mitral, hemoptysis in (E), 396
pyloric, roentgen sign of (abs), 307
STERNUM, metastatic lesions of (abs), 100
STOMACH, device for accurate centering of, in roentgenography, 517
hypertrophic gastritis simulating intramural tumor of, 20
intussusception of, 585
multiple polyposis of (abs), 623
nonorganic filling defects of, simulating carcinoma (abs), 622
pedunculated tumors of, prolapsing through pylorus (abs), 203
prolapsed mucosa of (abs), 623
STRIDOR, congenital laryngeal (abs), 200
STRÜMPELL-MARIE'S DISEASE, paravertebral abscesses associated with (abs), 410
SUBCUTANEOUS roentgen therapy (abs), 520
SUBPUBIC angle, roentgen aspects (abs), 310
SULFONAMIDE therapy, radiopaque membranous pyelitis following (abs), 311
SULFONAMIDES, effect of roentgen rays on, in vitro (abs), 525
SURGEON, rôle of, in tumor clinic (abs), 105
SYMPATHICOBLASTOMA, cervical (abs), 200
SYNCHONDROSIS of first ribs, 49
SYPHILIS of aorta, 432

TANTALUM powder, roentgen demonstration by, of sinuses resulting from extraction of intervertebral disc protrusions, 157
TARGET condition of rotating anode tubes, analysis of, with spinning top, 514
TECHNIQUE, military photoroentgen, employing optimum kilovolt (peak) principles, 587
of roentgenography of condyles of mandible, 303
TELEROENTGENOGRAPHIC mensuration, evaluation of, and cardiac roentgenoscopy in diagnosis of early mitral valve disease, 259
TESTES, tumors, methods of examination and findings in individuals with, 527
THIMBLE chambers, behavior of, when used for measurement of very soft radiations, 391

Thoracic paraspinal shadow, linear (abs), 202
Thymus and myasthenia gravis, relationship between (abs), 618
gland, lack of relation of congenital laryngeal stridor to diseases of (abs), 200
Thyroidectomy, subtotal, roentgen therapy of orbital-pituitary portals for progressive exophthalmos following (abs), 420
Tissue, aberrant pancreatic, as roentgenologic problem, 277
dosage in control of carcinoma of cervix (abs), 205
Tonsils, radium treatment of granular or hypertrophied lateral pharyngeal tonsillar bands (abs), 420
Trachea, carcinoma, diagnosis and treatment by roentgen rays (abs), 419
Tracheobronchial tree, anatomy of, from bronchoscopic standpoint (abs), 619
Triticeous cartilages, roentgen-anatomic study, 166
Tropical ulcer, roentgen appearances of bone in (abs), 315
Tuberculosis, adult pulmonary, early roentgen changes in (abs), 201
of ankle joint (abs), 103
of spine, bridging of vertebral bodies in (abs), 411
pulmonary, types of, which disqualify for active duty in Navy (abs), 202
use of small roentgen films in control of (abs), 94
Tularemia, roentgen manifestations of pleuropulmonary involvement in (abs), 621
Tumor clinc for patients of moderate means (abs), 105
clinic management, practical aspects of (abs), 105
clinic organization, experiences and results in, in New York State (abs), 104
clinic, rôle of surgeon in (abs), 105
in hypothalamic region, motor changes observed fluoroscopically in patient with (abs), 626
intramural, of stomach, hypertrophic gastritis simulating, 20
malignant giant cell, of lung, 582
Tumors, benign, of large intestine, incidence and distribution (abs), 96
biliary tract, roentgen diagnosis of (abs), 623
bone, modified classification of (abs), 98
carotid-body (abs), 618
cystic myxomatous, about knee (abs), 408
development of bone in relation to formation of (abs), 98
direct and indirect radiotherapy of, 491
giant cell, radiation therapy and late results (abs), 520
of peri-ampullary region and head of pancreas, roentgen diagnosis (abs), 624
ossifying and chondrifying primary osteogenic, correlation of roentgenogram and pathological changes in (abs), 99
ovarian, results of irradiation of, 376
pedunculated, of stomach, prolapsing through pylorus (abs), 203
testicular, methods of examination and findings in individuals with, 527

Ulcer, tropical, roentgen appearances of bone in (abs), 315
Ureteral obstruction by irradiation, question of (E), 291
Urinary tract, excretory urography as test of function of (abs), 311
roentgen examination of, 527
Urography, excretory, as test of urinary tract function (abs), 311
intravenous, 527
retrograde, 527
Uterus, carcinoma, diagnosis and treatment (abs), 207
carcinoma, intestinal injuries resulting from radiation treatment of (abs), 206
cervix, cancer, intravaginal roentgen irradiation of (abs), 204
cervix, carcinoma, complicated by complete procidentia (abs), 523
cervix, carcinoma, introduction to history of (abs), 107
cervix, carcinoma, physical aspects of intracavitary radium treatment of (abs), 522; (abs), 523
cervix, carcinoma, supervoltage roentgen therapy of (abs), 204
cervix, carcinoma, tissue dosage in control of (abs), 205
cervix, carcinoma, treatment of (abs), 108
malignancy subsequent to irradiation of, for benign conditions (abs), 206

Vertebrae, paravertebral abscesses associated with Strümpell-Marie's disease (abs), 410
Vertebral bodies, bridging of, in tuberculosis of spine (abs), 411
body, normal, study of relative importance of cortex and spongiosa in roentgenogram of, 40
column See Spine
dystrophy, familial (abs), 411
Virus, atypical pneumonia due to (abs), 94
pneumonia, incidence and clinical features of (abs), 92
pneumonia, pathological changes in (abs), 93
Vitamin B_6, treatment of irradiation sickness with (abs), 524
Volvulus, differential diagnosis between, and cancer of sigmoid colon by preliminary roentgenogram, 132
of sigmoid colon (abs), 627

Wrist See Carpus.

Yaws, roentgen appearance of bone in (abs), 314
Youth, mammary cancer in (abs), 106
multiple myeloma in, 466

Zygoma, fractures of (abs), 616

AUTHOR INDEX TO VOLUME 53

Ackerman, Lauren V., 281, 617
Adams, Payson, 311
Aldridge, Albert H., 206
Allen, E. Peter, 310
Applebaum, A. A., 94
Aspray, Melvin, 446
Atlee, Z. J., 210, 391

Bachman, Arnold L., 244
Bailey, Orville, 415
Baker, E. C., 314
Baker, Joel W., 308
Barden, Stuart P., 422
Barnard, Virgil L., 209
Baylin, George J., 98, 277
Bell, E. T., 92
Bell, Joseph C., 527
Berkman, E., 407
Berland, Harry I., 621
Berman, J. K., 617
Bihss, Francis E., 621
Binks, W., 211
Bovard, Paul, 313
Bowie, E. R., 161
Brailsford, James F., 202, 308 315, 408
Brewer, Arthur A., 422
Brocklebank, J. A., 315
Brown, Samuel, 419, 623
Brown, W. H., 99, 309
Brunn, Harold, 623
Brunschwig, Alexander, 624
Buckstein, Jacob, 608
Bucy, Paul C., 413
Budd, John W., 98
Burnett, C. W. F., 198

Cahal, Mac F., 510
Campbell, Thomas A., 200
Carlile, Thomas, 308
Carroll, David S., 1
Cave, Edwin F., 407
Childress, H. N., 318
de Cholnoky, Tibor, 106
Ciaglia, Pasquale, 1
Clagett, O. Theron, 618
Cleaver, E. E., 620
Clerf, Louis H., 619
Coakley, Walter A., 616
Colby, Fletcher H., 522
Colston, J. A. Campbell, 312
Connolly, A. E., 310
Cooley, E. E., 619
Cooper, William G., Jr., 617
Crowell, Bowman C., 104
Culotta, Charles S., 7
Culver, Gordon J., 520
Curtzwiler, F. C., 93

Dale, Walter M., 525
Danielli, James Frederic, 513
Dann, David S., 421
Davidoff, Leo M., 301
Davson, Hugh, 513
DeBakey, Michael, 415
Deery, Edwin M., 101
Delbridge, R. E., 49
Dell, James M., Jr., 303
Dickinson, Kenneth, 96
Dixon, Claude F., 625
Dobbie J. L., 208
Dockerty, Malcolm B., 408
Doff, Simon D., 341
Driver, J. R., 521
Dyke, Cornelius G., 301

Einstein, Robert A. J., 376
Elkeles, A., 95
Ellis, F., 208
Engel, D., 316
Epstein, Bernard S., 259
Esposito, Joseph J., 33
Evans, William A., Jr., 91, 147

Falkenstein, Dorothy, 416
Files, Glenn W., 512
Fine, Archie, 419, 623
Fleming, J. A. C., 419
Fleming, R. M., 171
Flocks, Rubin H., 312
Flynn, James M., 416
Fowler, Willis M., 416
Freiberg, Joseph A., 411
Fricke, Robert E., 420
Fuchs, Arthur W., 587
Furst, Nathan J., 100

Gage, H. Courtney, 417
Garber, Robert L., 129
Garcia, Manuel, 205
Garland, L. H., 142, 202
Gartside, V. O. B., 91
Gemmill, Chalmers L., 512
Gershon-Cohen, J., 49, 520
Gerwig, W. H., Jr., 626
Ghormley, Ralph K., 408, 409
Gile, John F., 624
Glasser, Otto, 301
Gnassi, Angelo M., 582
Golden, Ross, 489
Goldmann, Carl H., 314
Golob, Meyer, 627
Goltz, H. L., 212
Graf, Carl J., 157
Gratiot, John H., 618
Gratzek, F. R., 62
Gray, L. H., 526
Green, Anthony, 208
Grier, George S., III, 200
Grimmett, L. G., 208
Grishman, A., 575
Gross, Sidney W., 319
Grossman, J. W., 166, 454
Grunow, Otto H., 385
Grynkraut, B., 491
Guyer, R. B., 307

Haddow, Alexander, 523
Hagens, E. W., 619
Halberstaedter, Max, 411
Haldeman, Keene O., 98
Hall, M. F., 87
Hammer, Howard J., 527
Hamby, Wallace B., 157
Hannon, J. W. G., 313
Harmon, Paul H., 102
Harper, R. A. Kemp, 414
Hartley, J. Blair, 198, 317
Hartung, Walter, 312
Harvey, Roger A., 523
Hawes, Lloyd E., 124
Hawley, Sydney J., 210
Heilbrun, Norman, 628
Helwig, Elson B., 96
Hermon, R., 409
Herstone, S. T., 585
Herzmark, Maurice H., 410
Heublein, Gilbert W., 527
Hilleboe, Herman E., 94
Hiller, Robert I., 623
Hilliard, Cedric, 410
Hinkel, Charles L., 20
Hodges, Paul C., 474
Hodson, C. J., 307, 311
Holmes, George W., 105
Holmquest, Harold J., 302
Holmstrom, E. G., 62
Houkom, S. Sverre, 103
Howes, William E., 417
Hufford, C. E., 94
Hunt, Andrew D., Jr., 40
Hutchison, Robert G., 408
Hyndman, Olan R., 411

Iglauer, Samuel, 419
Ingber, Edmundo, 273
Irving, James G., 319

Jackman, James, 432
Jackman, Raymond J., 95
Jacobson, H. G., 161
Jaffe, Henry L., 483, 490
James, J. I. P., 95
Javert, Carl T., 97
Jenkinson, E. L., 309, 622

Jerram, C. W. S., 106
Johnstone, A. S., 307
Judd, Edward S., Jr., 207

Kane, I. J., 575
Kaplan, Ira I., 83
Kelikian, H., 101
Kennedy, Roger L. J., 625
Kerley, Peter, 418
Kerr, H. Dabney, 376
Kinney, Lyell C., 503
Kisner, Wendell H., 318
Klein, Norbert, 200
Koenig, Edward C., 520
Koritschoner, Robert, 421
Kress, Louis C., 104

Lambeth, Samuel S., 98
Langmead, W. A., 106
Lapidus, Paul W., 103
Lasnitzki, Ilse, 209, 525
Latteier, K. K., 622
Lawson, Lawrence T., 616
Lechenger, G. C., 97
Leddy, Eugene T., 420
LeMone, David V., 281
Leonard, Donald W., 55
Leucutia, T., 183, 295
Levin, Bella, 417
Levin, Morton L., 104
Levine, S. A., 415
Levitin, Joseph, 132
Lewitan, Alexander, 194
Lichstein, Jacob, 418
Lindsay, John R., 198
Linsman, Joseph F., 100
de Lorimier, A. A., 488
Lough, Roger, 597
Lovell, B. K., 524
Lowman, Robert M., 7, 341
Lubert, Mortimer, 432
Luck, J. Vernon, 99
Lutz, Raymond J., 200

McAneny, John B., 524
McCarthy, J. E., 623
McCarthy, Paul B., 93
MacCarty, Wm. C., Jr., 624
MacDonald, Ian, 98
Macey, Harry B., 100
McIlwain, A. J., 524
McLaren, John W., 199
McMurray, Crawford A., 100
MacVicar, Donald N., 521
Mandeville, F. B., 420
Mansi, Roland L., 414
Mantz, Harry E., 244
Marburg, O., 171
Maxfield, J. R., Jr., 524
Mayoral, A., 626
Melamed, A., 623
Merrill, E. F., 466
Meschan, Isadore, 230
Methény, David, 627
Milgram, J. E., 407
Minor, Howard H., 454
Moore, B. E., 93
Morgan, Russell H., 474
Morton, Daniel G., 97
Mottram, M. E., 142
Mueller, H. Peter, 109
Mulsow, F. W., 625

Neary, G. J., 522, 523
Nelson, Waldo E., 95
Nichols, H. E., 627
Nickerson, Samuel Harold, 213
Nolan, James F., 107
Nuttall, John R., 106

O'Brien, William A., 299
Ochsner, Alton, 415
O'Keefe, J. J., 619
Oppenheimer, Albert, 348, 410
Osborne, Stafford L., 302
Osmond, Leslie H., 313

Parker, H. M., 526
Pastore, Peter N., 420
Paul, Lester W., 620
Pearl, Felix L., 623
Peirce, Carleton B., 185
Pendergrass, Eugene P., 40, 311
Pendergrass, Robert C., 423
Perlman, Robert, 411
Phalen, George S., 100, 409
Pohle, Ernst A., 524
Pomeranz, Maurice M., 404
Poppell, M. H., 585
Portmann, U. V., 597, 602
Poynter, M., 526
Price, Preston, 582
Priestley, James T., 207
Probstein, J. G., 627
Procter, Ivan M., 96

Quick, R. S., 208
Quimby, Edith H., 107, 301
Quinlan, J. W., 466

Raab, W., 525
Raider, Louis, 203
Read, John, 526
Reinhard, M. C., 212
Rest, Arthur, 370
Rezek, Ph. R., 171
Rhoads, Paul S., 92
Riches, E. W., 523
Riemer, Allen D., 439
Rigler, Leo G., 62, 91, 92
Ritchie, Robert N., 523
River, Andrew B., 623
Robbins, Laurence L., 310
Roberts, J. E., 208
Robertson, J. E., 524
Roderick, J. F., 611
Rosen, George, 300
Rosenthal, Abraham, 470
Ross, John A., 95
Rothman, Stephen, 198
Russo, Peter E., 409

Sage, Harold H., 28
Samuel, Eric, 413
Sante, L. R., 108
Saphir, Otto, 93
Sara, Nathan O., 244
Saunders, Wm. W., 616
Scheffey, Lewis C., 108, 206
Schmitz, Herbert E., 204
Schneider, Martin, 563
Schroeder, George F., 415
Schulz, Milford D., 522
Schumacher, Forrest L., 314
Schwartz, Charles Wadsworth, 573
Senturia, H. R., 627
Shackelford, Richard T., 99
Shapiro, Robert, 100
Simon, G., 201
Skinner, Edward H., 107
Smith, Lucian A., 623
Smith, Newton D., 95
Smith, Stephen J., 314
Sniffen, Ronald C., 109
Solis-Cohen, Leon, 418
Sosman, Merrill C., 203, 415
Soule, Arthur B., Jr., 124, 319, 525
Speigel, Irving J., 413
Spiers, F. W., 212
Spink, Wesley, 92
Steele, Kyle B., 97
Steigmann, Frederick, 622
Stein, George H., 620
Steindler, Arthur, 411
Stenstrom, Annette T., 298
Stone, Harvey B., 626
Stout, Arthur Purdy, 33
Strong, Paul S., 200
Sweet, Howard E., 318
Szabados, Martin, 270
Szucs, M. M., 15

Taylor, Lauriston S., 301
Tchaperoff, Ivan C. C., 525
Templeton, Frederic E., 198, 624
Thoms, Herbert, 628
Traut, Herbert F., 205
Trimby, Robert H., 200
Trout, E. D., 210, 391

Uhlmann, Erich, 105
Ullmann, Henry J., 602

VanAlstyne, Walter K., 373
Victoreen, J. A., 391
Vinson, Porter P., 621

Wagoner, George W., 40
Walker, Stella F., 208
Ward, George Gray, 207
Warfield, Chester H., 202
Wasson, W. Walter, 204
Watson, C. J., 92
Watson, T. A., 520
Weatherwax, J. L., 301
Weber, Harry M., 625
Weinberg, Tobias B., 203
Weinberger, Jacob, 470
Weiss, H. B., 419
Westing, Siegfried W., 189
Weyrauch, Helen B., 132
White, Malvin F., 616
Whiteleather, John E., 514
Wiley, H. M., 281
Williams, D. A., 416
Williams, E. Rohan, 199, 417, 419
Williams, I. G., 523
Williams, Rohan, 310
Wilson, C. W., 208
Wirtschafter, Zolton T., 402
Wittenberg, Bernard, 517
Wolcott, W. Eugene, 414
Wolf, Bernard S., 77
Wolfer, John A., 105
Wolkin, Julius, 411
Wood, Harold, 466

Zink, Oscar C., 422
Zizmor, J., 15
Zwerling, Henry, 95